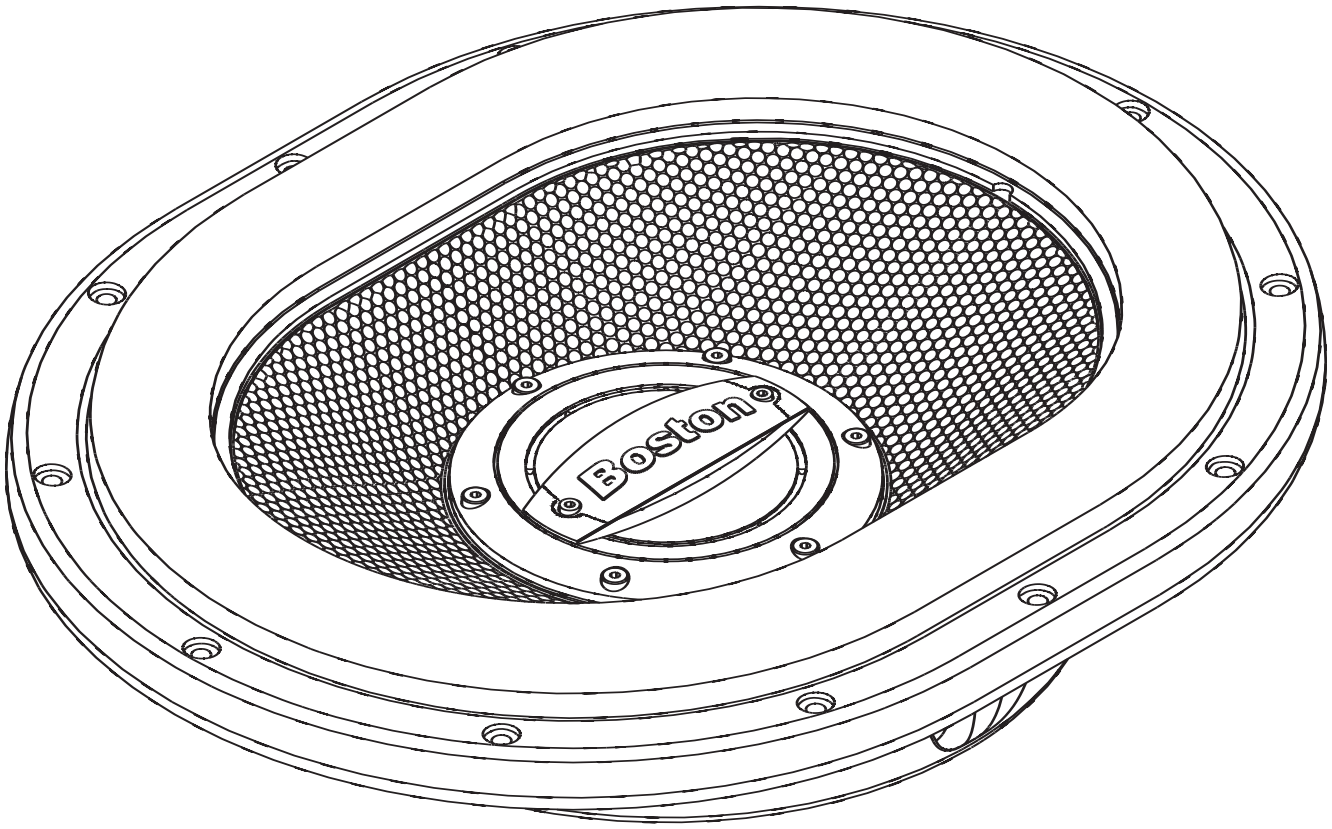
Boston



High performance TunableRadiator™ for use with the Boston SPG555 subwoofer

SPG-TR

SPG-TR

SPG-TR TunableRadiator™ Description

Designed to work perfectly with the the Boston SPG555 subwoofer, the SPG-TR allows you to use the SPG555 in a 1.0Ft³ enclosure and delivers low bass similar to a ported enclosure while maintaining the transient response and compact size of a sealed enclosure. Provided tuning masses allow you to customize the response of the SPG-TR to best match your vehicle and listening preference.

SPG-TR Specifications / Enclosure Recommendation

Model:	**SPG-TR**
Nominal Size:	555cm²
Mounting Cutout Diameter:	Use Provided Cutout Template
Mounting Depth: (includes required clearance behind SPG-TR)	4" (102mm)
Recommended TunableRadiator™ Enclosure Volume*:	1.0 ft³ (28.3L)
Q-Tune™: (HP & Q Setting)	Use **SPG-TR Tuning / Q-Tune™ Setting Matrix** Below

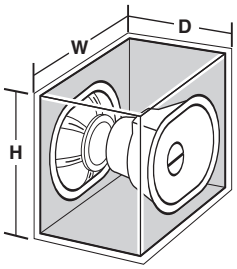
**Enclosure requires SPG555 (2Ω or 4Ω) and volume includes basket displacement for both the SPG555 subwoofer and the SPG-TR TunableRadiator.*

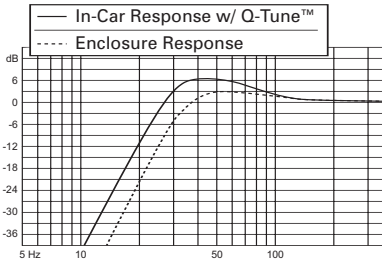
SPG-TR Tuning / Q-Tune™ Setting Matrix

Model:	**Tuning**	**Q-Tune™ Setting**
Tuning Mode 1:	45Hz	42Hz@0.7
Tuning Mode 2*:	35Hz	34Hz@1.0
Tuning Mode 3:	30Hz	30Hz@1.2

**Factory Tuning Mode*

SPG555 / SPG-TR Enclosure Design Example





Model:	**SPG555 w/ SPG-TR**
H = Height:	13" (33.0cm)
W = Width:	13" (33.0cm)
D = Depth:	10.5" (26.7cm)
Gross Volume:	1.0 Ft³ (28.3L)
Q-Tune™†: (HP & Q Setting)	Use **SPG-TR Tuning / Q-Tune™ Setting Matrix** Above

*Enclosure dimensions are **internal** and include displacement for both SPG555 & SPG-TR.*

The enclosure shape is an example and these dimensions can be modified provided the exact internal volume is retained and there is adequate clearance behind the SPG555 and the SPG-TR.

¾-inch thick M.D.F. is recommended as a minimum

†Q-Tune™ is a feature found on Boston GT Amplifiers

SPG-TR TunableRadiator™ Tuning Frequency Chart

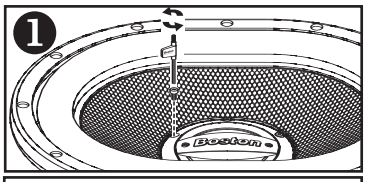
For The Recommended SPG555/SPG-TR Enclosure (1.0ft³)

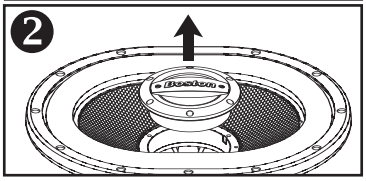
Mode Type	**Tuning Freq.**	**Small Tuning Mass**	**Large Tuning Mass**
Tuning Mode 1:	45Hz	X	X
Tuning Mode 2:	35Hz	1	1
Tuning Mode 3:	30Hz	X	2

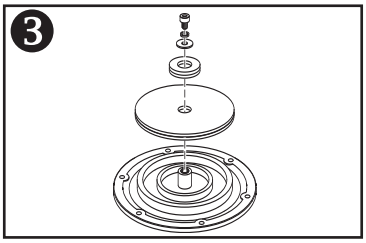
Key: X = No Mass Used, 1 = One Mass Used, 2 = Two Mass Used

Changing The Tuning On The SPG-TR TunableRadiator™

Note: The SPG-TR TunableRadiator™ is shipped from the factory in "Tuning Mode #2".



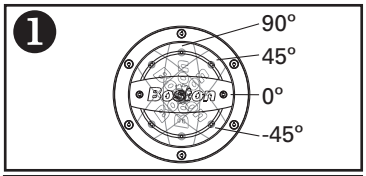


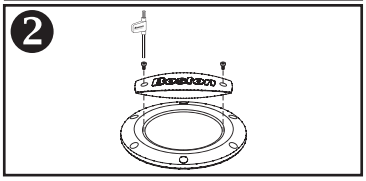


1. *Remove the six screws ❶. Lift the dustcap off of the SPG-TR ❷.*
2. *On the bottom side of the dustcap ❸, remove the center screw, lock washer, and washer that hold the mass to the dustcap.*
3. *Select the desired tuning mode by placing the correct combination of mass, foam side down, on the center shaft. (use the tuning guide located above)*
4. *Install the center screw, lock washer, and washer and tighten.*
5. *Re-install the dustcap and gasket using all six screws.*

Warning: The dustcap is a structural part of the SPG-TR and must be installed before use.

SPG-TR Handle Installation Instructions





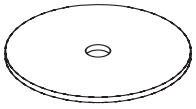
1. *The handle is held in place by two screws (included in the hardware kit). The handle can be positioned eight different ways ❶.*
2. *Line up the handle with two of the six screw holes on the dustcap. Using the provided 2.5mm tool, hand tighten the screws ❷. The specific orientation of the handle will not effect performance, however, to ensure proper tuning, must be installed prior to using the SPG-TR.*

Warning: Choose the position of the handle wisely. Installing the screws into the dustcap will mar the area around where the screw is installed. Although not visible with the handle installed in the original position, if the handle is moved, you will be able to see the enlarged screw holes from the previous install position.

SPG-TR TunableRadiator™ Tuning Hardware

*Screw**
*Lock Washer**
*Washer**

*Small Tuning Mass**



2 x Large Tuning Mass
(1 installed / 1 in hardware pack)*

**Pre-installed on SPG-TR from factory*

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